



# Progetti Smart Grid nel contesto europeo: panoramica sugli ultimi sviluppi

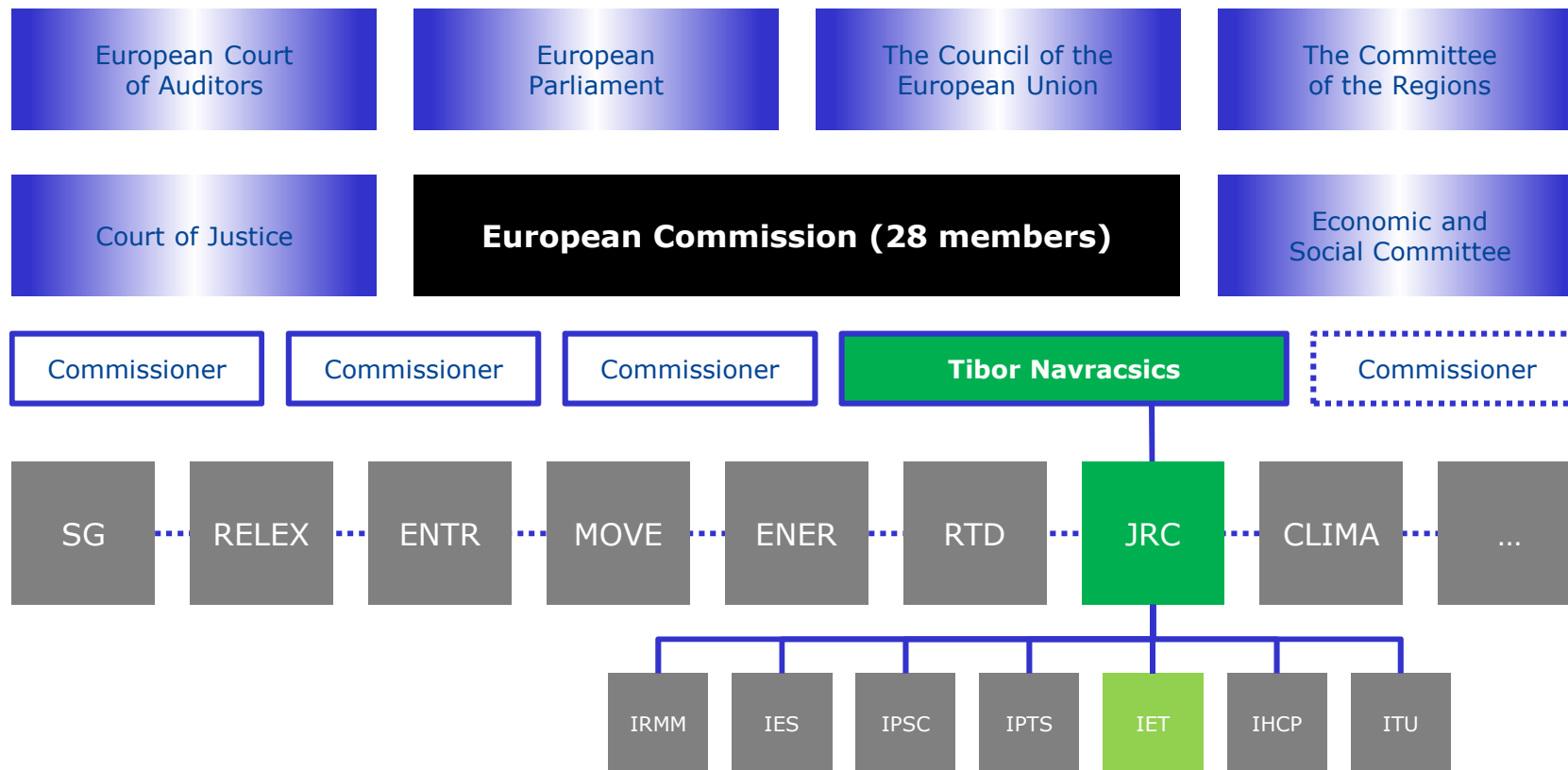
*Milano, 28 Settembre 2015*

Flavia GANGALE  
European Commission  
Joint Research Centre  
Institute for Energy and Transport  
[ses.jrc.ec.europa.eu](http://ses.jrc.ec.europa.eu)

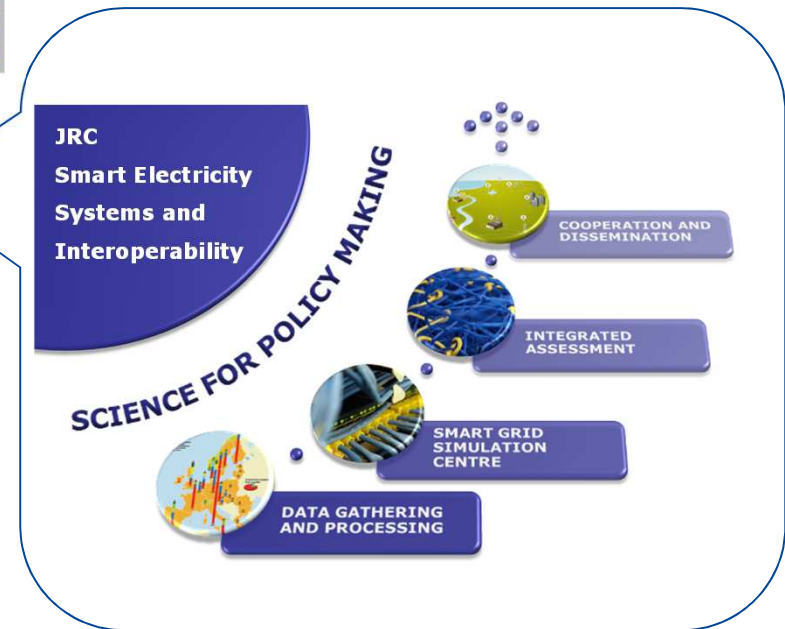
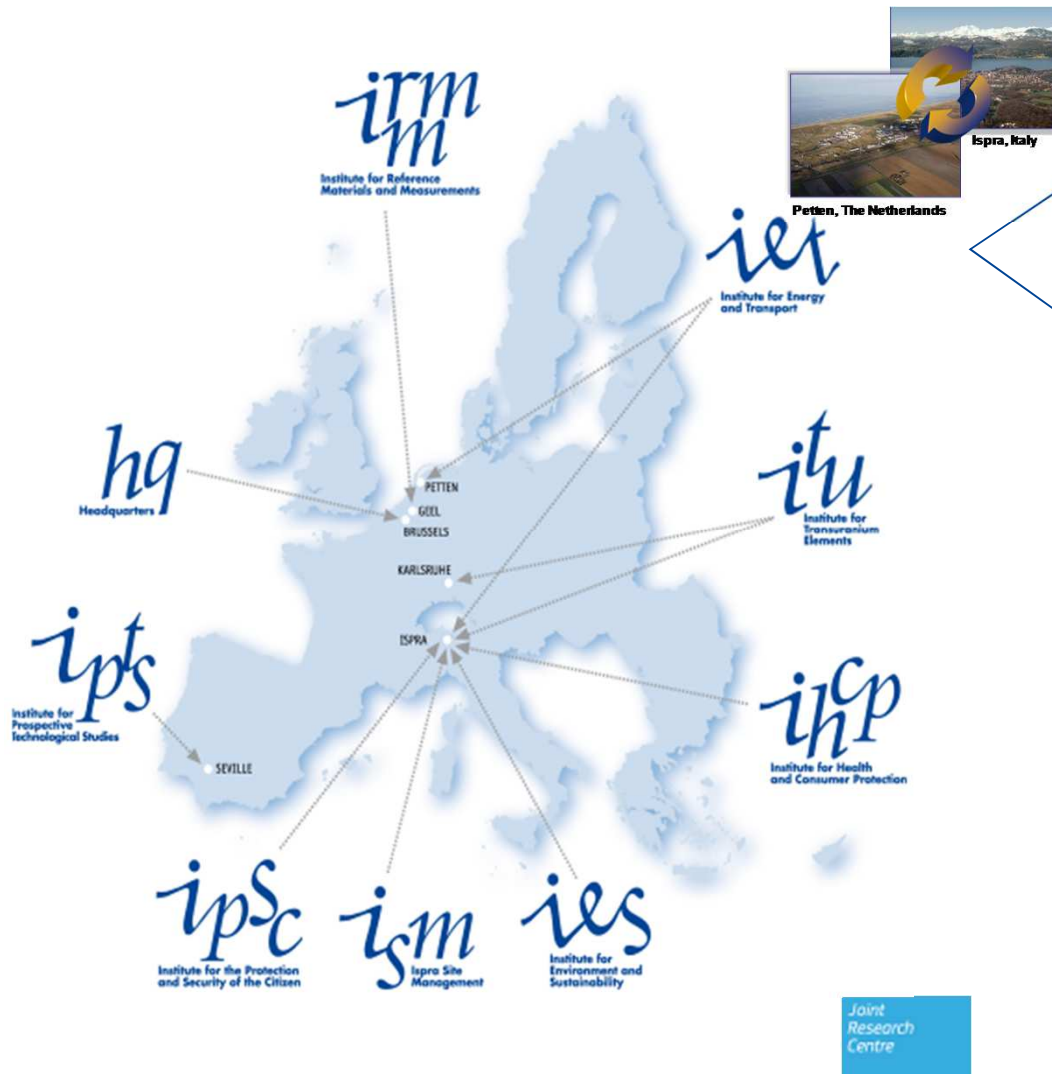




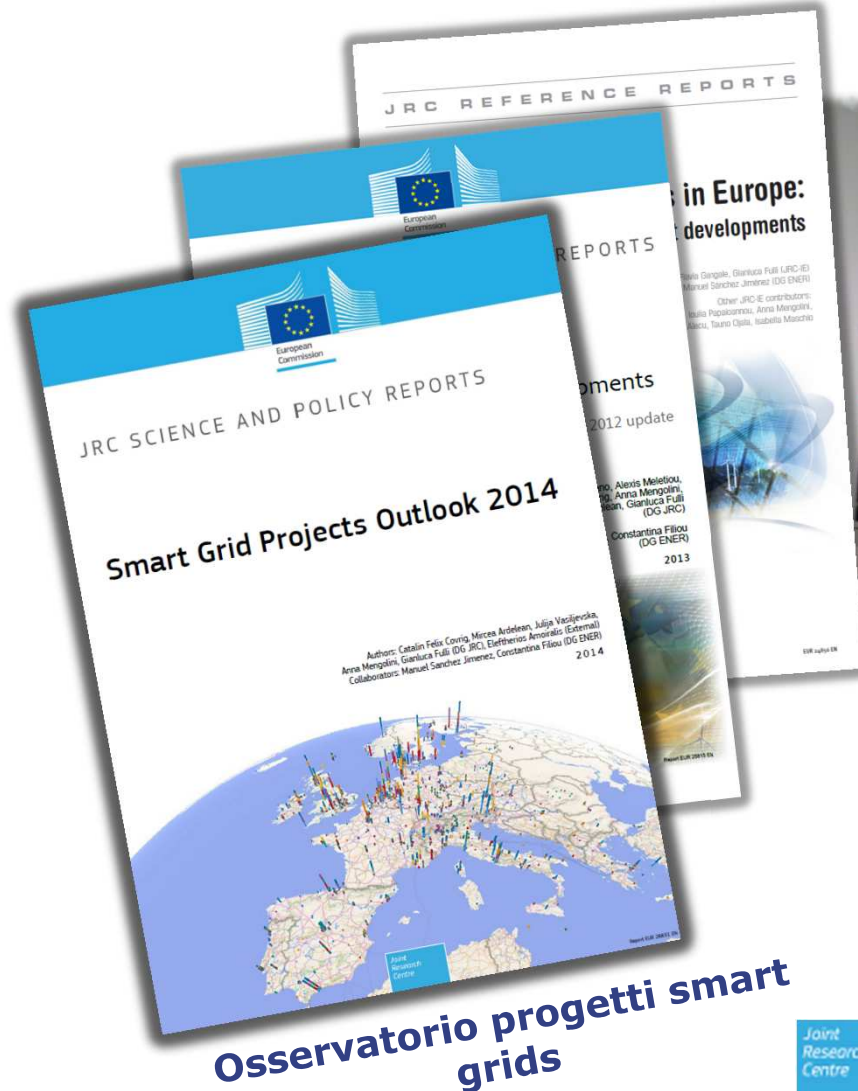
## II JRC nell'Unione Europea



## II Joint Research centre



## Osservatorio smart grids – progetti, attività, attori



**Osservatorio sui laboratori di ricerca**

**In corso...**

**Osservatorio sui DSOs**

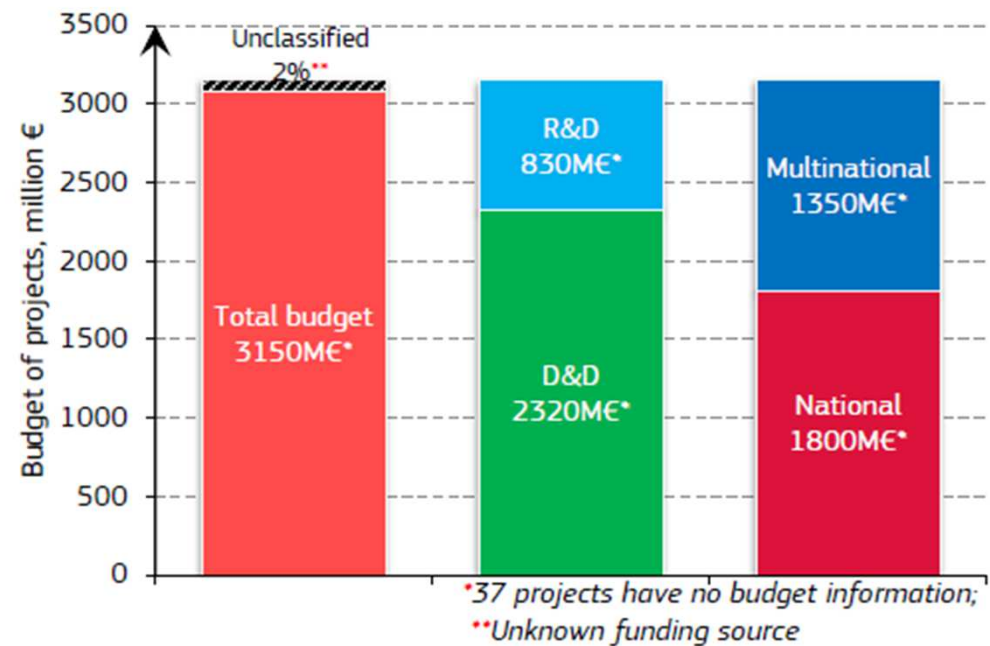
## Quick takes dall'Outlook 2014

**459** progetti

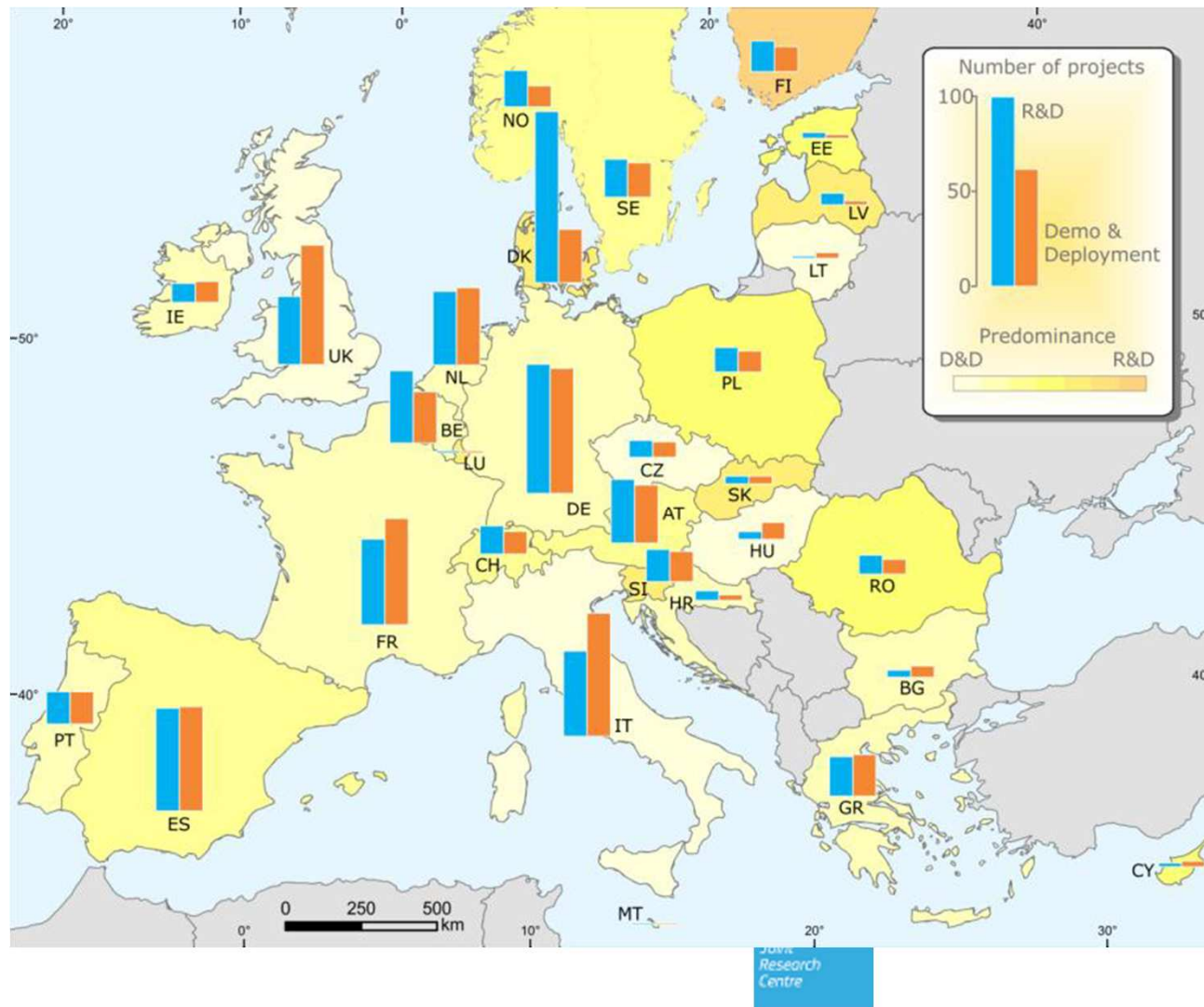
- R&D (45%) e dimostrazione e diffusione (55%)
- Progetti nazionali (63%)

**3 150 M€** Investimenti

- Dimostrazione e diffusione (73%)

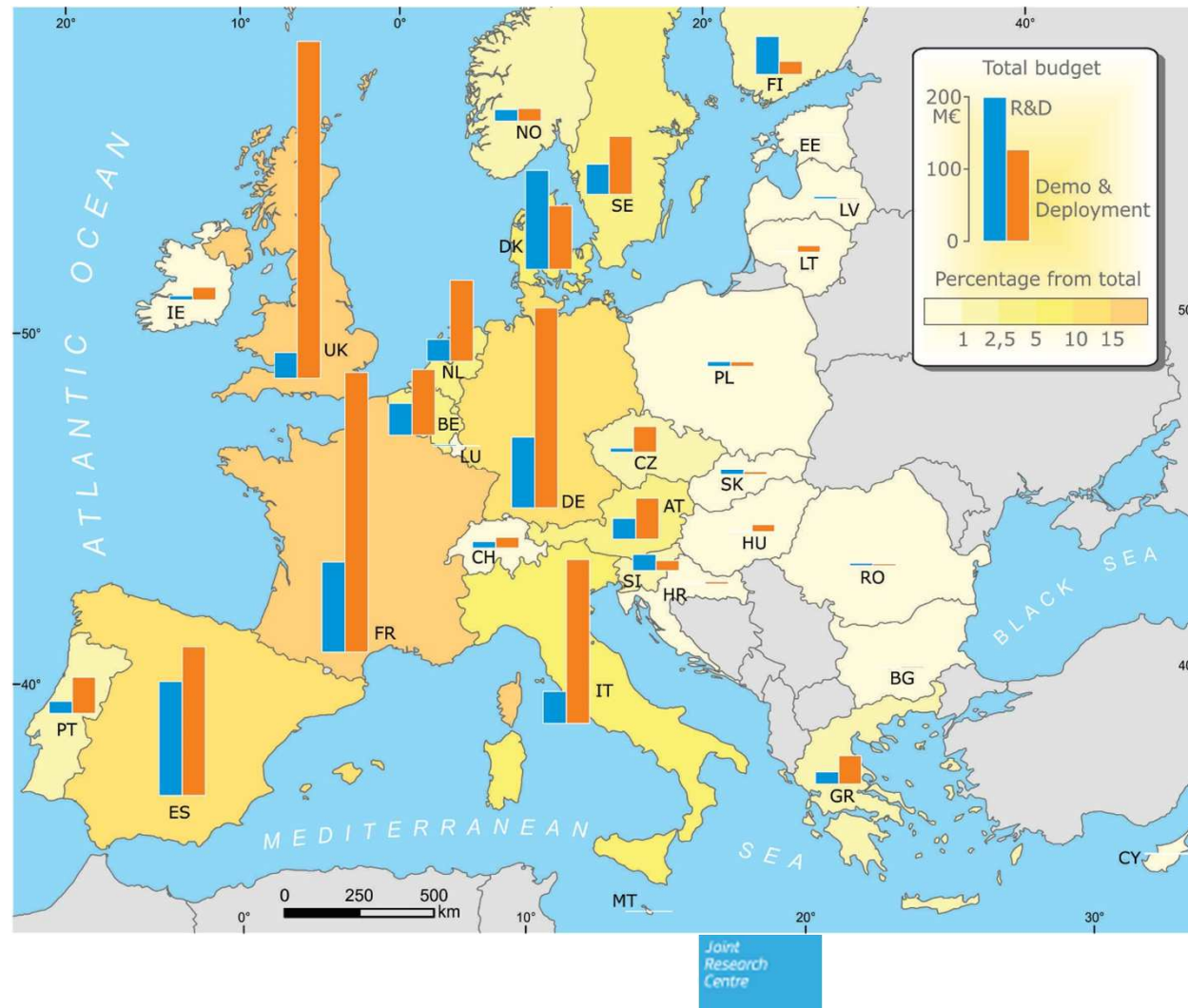


## Distribuzione geografica dei progetti



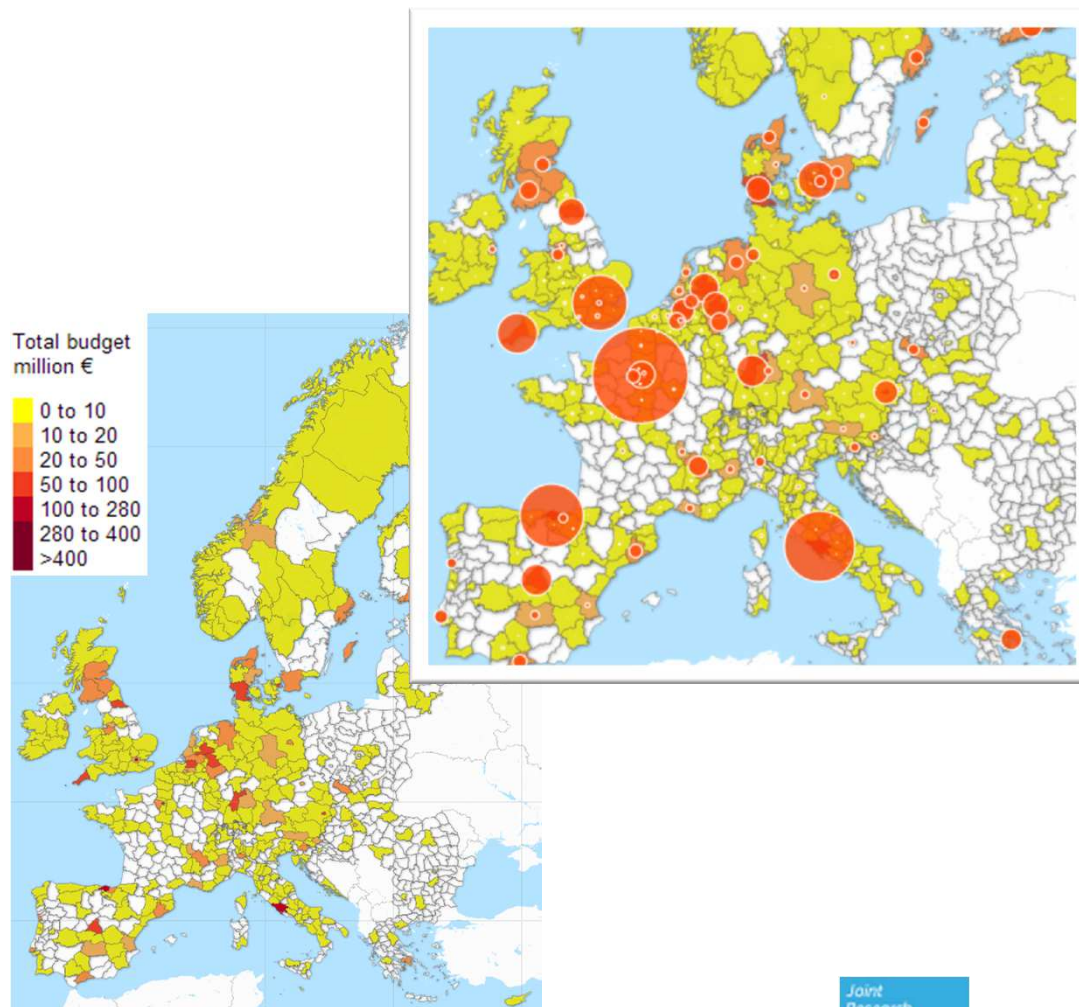
- ✓ Maggior concentrazione in Europa occidentale
- ✓ Varia distribuzione tra R&D e dimostrazione / diffusione

## Distribuzione geografica degli investimenti



✓ A partire dal 2009 gli investimenti totali hanno superato i **€250 milioni annui**

## Distribuzione geografica degli investimenti

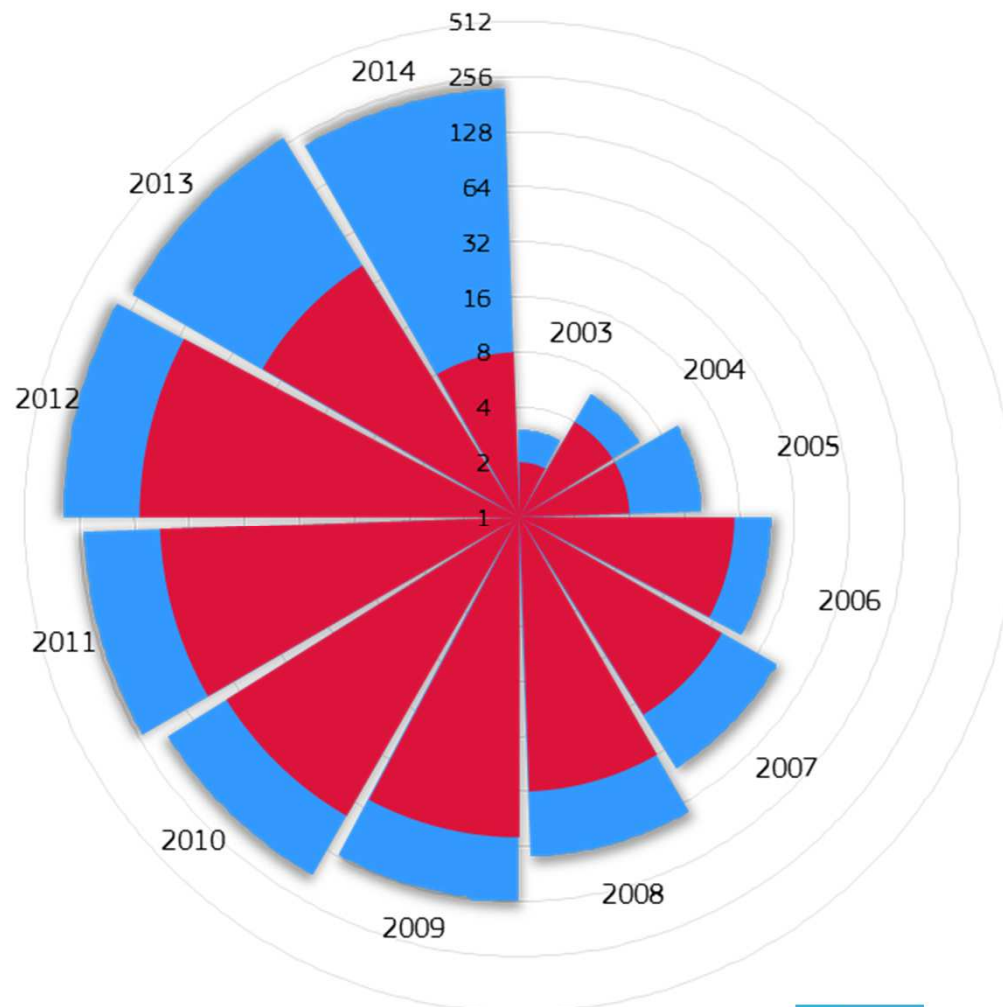


*Geographical distribution of total smart grid budget per region*

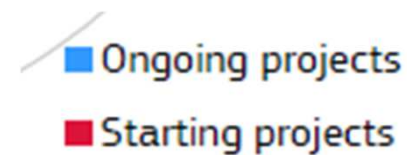
- ✓ 4 aree ad alta intensità di investimenti
- ✓ Più di 500 siti, (ca. 3 per progetto).
- ✓ La gran parte dei siti in Germania (77) e Italia (75).



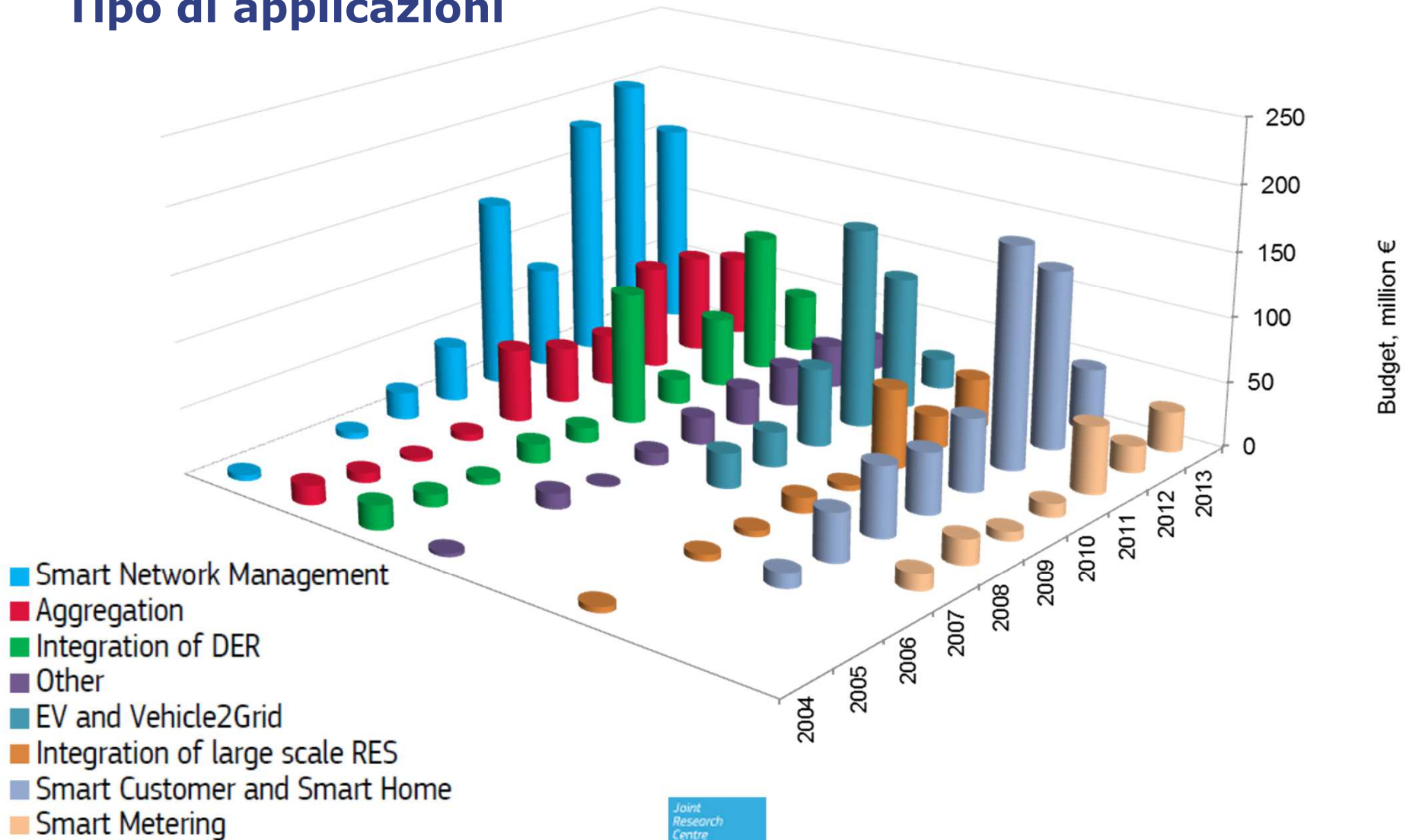
## Distribuzione temporale dei progetti



**48%** ancora in corso  
(2 000 M€)



## Tipo di applicazioni

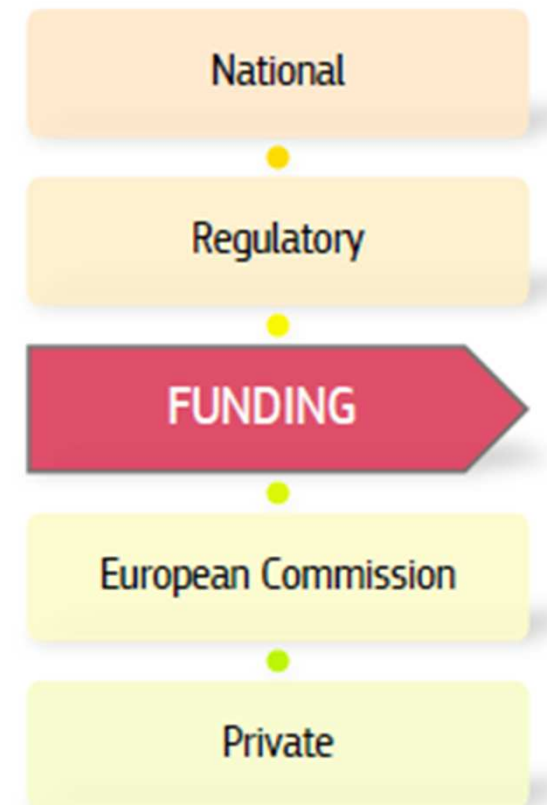




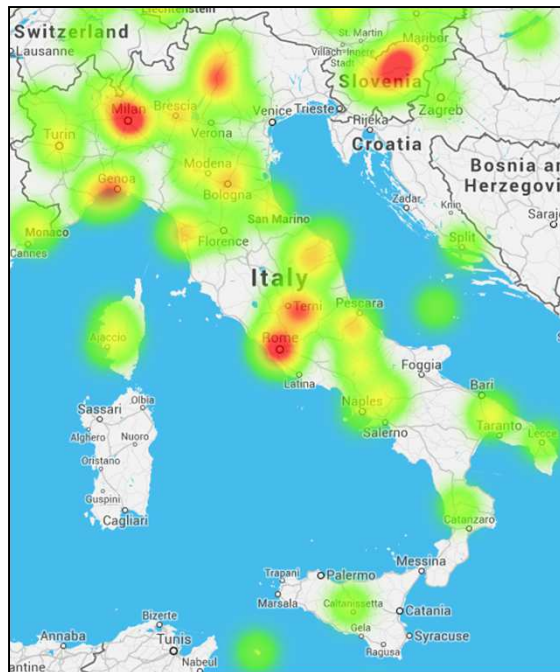
## Fonti di finanziamento dei progetti

✓ Circa metà del budget totale di origine privata. Il resto da fonti varie: EC (22%), national-regulatory (27%)

✓ 90 % dei progetti ha ricevuto qualche forma di finanziamento pubblico

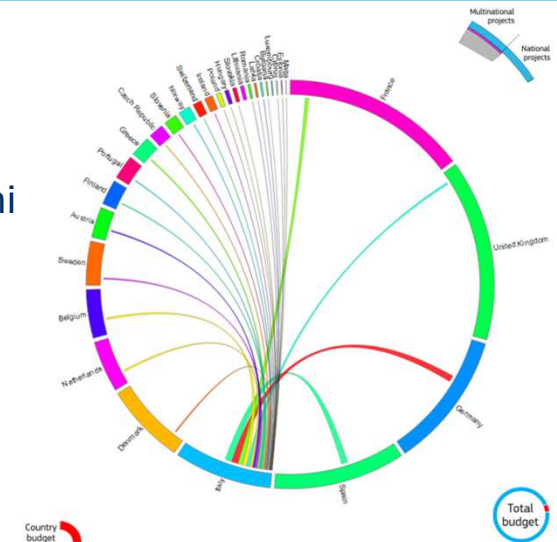


# Situazione in Italia



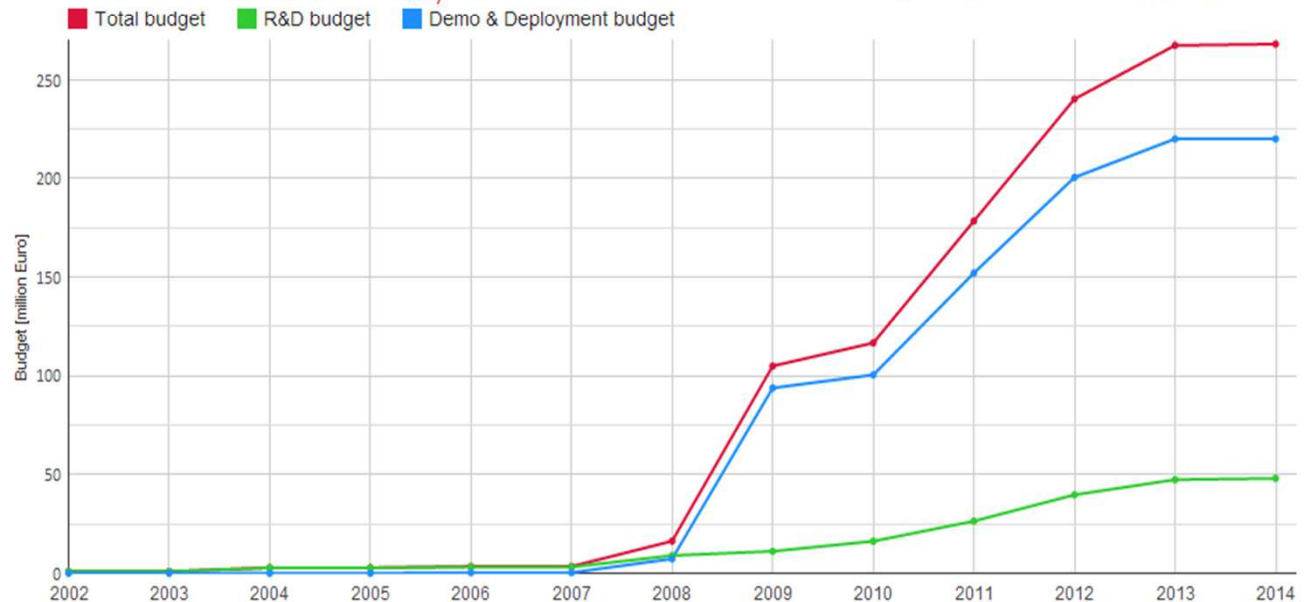
Localizzazione dei progetti

## Collaborazioni



## Distribuzione temporale

Budget of smart grids projects in Italy (cumulative, the chart assumes that the budget is spent in the starting year)





# Il nuovo Outlook 2016

European Commission Institute for Energy and Transport (IET)

European Commission > JRC > IET > Smart Electricity Systems and Interoperability > Core activities > Observing

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## Survey for the collection of European smart grid projects

Intelligent electricity networks – Smart Grids – are a key component in the EU energy strategy. In the last few years, Smart Grid projects have been growing fast in number, size and scope throughout Europe. Where are they taking place? What technology are they implementing? What are the organizations involved? What progresses have been made? To answer some of these questions, the JRC launched in 2011 the first comprehensive inventory of Smart Grid projects in Europe, which consists today of almost 500 projects.

The aggregation of project data and results in a single database is invaluable for the sharing of knowledge and best practices among actors, and contributes to speed up the implementation of Smart Grid projects throughout Europe. By completing the survey below, you have the possibility to share the results of your project and actively participate in the EU efforts to promote Smart Grids. We will perform consistency check and include the project in our European Smart Grid project database. Financial/economic information will be treated confidentially and only aggregated data will be published.

When you insert your project in the database, you will be asked to create a personal account. At any time it will be possible to update/modify the information regarding your project, logging in the database with your given credentials.

**PRESS HERE TO START THE SURVEY OR EDIT YOUR SUBMISSIONS**

**Before you start the survey please check if your project is already in our inventory by clicking [here](#). If you project is present and you would like to update it please contact us at [JRC-IET-SMART-GRID-PROJECTS@ec.europa.eu](mailto:JRC-IET-SMART-GRID-PROJECTS@ec.europa.eu).**

*For your convenience, the PDF version of the form can be found [here](#). It is intended to make it easier to collect, share and validate requested information among different departments or groups within your organisation. Please bear in mind, however, that we will only accept data provided through the on-line survey. For bugs, suggestions, questions and other requests please contact us. Below you can find the most recent projects added to our database.*

**Our database contains 489 smart grid projects**  
Total Budget in million €: 3648.4

**REPORT**  
JRC SCIENCE AND POLICY REPORTS  
Smart Grid Projects Outlook 2014

**TOOLS**

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**CHARTS**

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Institute for Energy and Transport (IET)

European Commission > JRC > IET > Smart Electricity Systems and Interoperability

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**JRC SMART ELECTRICITY SYSTEMS AND INTEROPERABILITY**

Smart grid outlook | Multiterminal grid | Cost benefit | Publications  
Social dimension

Projects maps | Interactive tool | Real time simulation | Power system modeling

HOVER OR CLICK ON THE IMAGES ABOVE TO GET MORE INFORMATION

**Multiterminal grid**

**Newsflash from us**

- New EU call for researchers
- A Distribution System Operators Observatory for Europe
- Solar Photovoltaic Production at JRC Petten. Monitoring Report
- Take our survey on Smart Grid Laboratories**
- EU smart metering benchmarking released
- The 2014 smart grid outlook is online**
- EUSEW High Level Policy Conference Brussels

We, as European Commission's in-house science service, perform independent scientific research and support EU policy-making on transformations towards smarter and interoperable electricity systems.

**Observing**  
Learn which data on power systems/networks and smart grids we collect, maintain, process and share... [\[more\]](#)

**Simulating**  
Discover our simulation facilities, computing capability and learn about our experiments on smart power systems... [\[more\]](#)

**Assessing**  
Check our support to policy initiatives and our approach for assessing multi-layer, multi-actor smart grids... [\[more\]](#)

**We, in a nutshell** | **Non-experts**

**Kid's corner** | **Contact us**

Some of our publications (hover on images for details)

Joint Research Centre

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